

TERRY RONALD WEST

US EPA RECORDS CENTER REGION 5



465041

Date of birth: August 15, 1936

Associate Professor of Geosciences and Civil Engineering, Purdue University,
West Lafayette, IN 47907.

Specialty areas - Geotechnical aspects of geology; including conventional and hazardous waste landfills, subsurface exploration in alluvial, glacial and coastal areas; groundwater geology; environmental studies; rock mechanics; materials for construction; engineering properties of rocks; remote sensing studies of soil and rock; reclamation of coal strip mine areas.

Education

B.A.	Geology, Washington University (St. Louis, MO)	1959
B.S.	Geological Engineering, Washington University	1959
M.A.	Geology, Washington University	1962
MSCE	Civil Engineering, Purdue University	1964
Ph.D.	Engineering Geology, Purdue University	1966

Memberships in Professional Societies

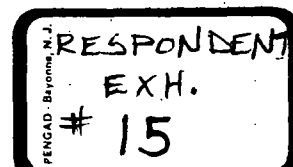
Geological Society of America
Association of Engineering Geologists
American Society for Civil Engineers
American Society for Testing and Materials, C-9 & D-18 Subcommittees
Sigma Xi

Experience

T.R. West has been active in subsurface investigation studies of soil and rock areas, conventional and hazardous waste landfill analysis, ground water geology, geology of open pit and underground mines, and geology related to construction. He has also been involved in the exploration for and evaluation of gravel and stone for construction purposes and in the monitoring of ground water quality for strip mines, industrial plants, and sanitary landfills.

Registration

Registered Professional Engineer, Missouri, E 10544.



Selected Publications

Hydrogeology, Sanitary Landfills

- B. Bailey, E. Bloom, and T.R. West, 1988, "Excessive Seepage Losses at Westwood Lake Dam, East Central Indiana", Proceedings, Second International Conference on Case Histories in Geotechnical Engineering, St. Louis, Missouri, June 1-5.
- T.R. West and S.A. Sudar, 1987, "Detailed Subsurface Investigation in Glacial Terrain Benefits Design for Sanitary Landfill Expansion, Marion County, Indiana", Abstracts of Programs, 100th Annual Meeting, Geological Society of America, November, Phoenix, AZ.
- T.R. West, 1986, "Fracture in Glacial Till Related to Increased Permeability and Concern for Sanitary Landfill Siting in Central Indiana", Abstracts of Programs, 99th Annual Meeting, Geol. Society of America, November, San Antonio, TX.
- T.R. West, 1985, "Engineering Geology and Ground Water Considerations for Sanitary Landfills in Wisconsin-Aged Morainal Deposits of Central Indiana", Abstracts of Programs, 98th Annual Meeting, Geol. Society of America, November, Orlando, FL.
- T.R. West, 1985, Engineering Geology of Landfill Sites Regarding Installation of Monitoring Wells, Conference on Groundwater Monitoring and Remedial Methods, Indianapolis Center for Advanced Research, Indianapolis, IN.
- T.R. West, 1986, Hydrogeology Problems of Solid Waste Disposal Regarding Glacial Till stratigraphy in Indiana, Abstracts of Program for North-central Section Meeting, Geological Society of America, Kent, Ohio.
- V. Peter Worland and T.R. West, 1979, "Abatement of Combined Sewer Overflow and Urban Runoff Pollution in Indianapolis, Indiana using Deep Tunnel Conveyance and Storage", Proceedings for the Indiana Academy of Science for 1978, vol. 88.
- T.A. Bannister, T.R. West and W. Harrison, 1979, Geohydrology of an Abandoned Strip Mine Site, Ottawa, Illinois, Abstracts of Programs, Annual Meeting, Geological Society of America, San Diego, CA.

Subsurface Investigation, Rock Slope Stability

- T.R. West, 1987, "Highway Construction in the Lake Bed Deposits, Southwestern Indiana", Proceedings, 38th Annual Highway Geology Symposium, May, Pittsburgh, PA, pp. 181-184.
- T.R. West and R.G. Hummeldorf, 1985, Use of Sonic Logs in Evaluating Roof-Rock Strength for an Underground Coal Mine, Proceedings of the 36th Annual Highway Geology Symposium, Clarksville, IN, pp. 174-202.

C.F. Watts and T.R. West, "Electronic Notebook Analysis of Rock Slope Stability at Cedar Bluff, Virginia", Bulletin of the Assoc. of Engineering Geologists, Vol. XII, No. 1, 1985, pp. 67-85.

T.R. West and D.L. Warder, 1983, Geology of Indianapolis, Indiana, United States of America, Bulletin, Assoc. of Engineering Geologists, vol. XX, no. 2, pp. 105-124.

C.F. Watts, H.R. Hume and T.R. West, 1983, Field Evaluation of a Rapid System to Collect Rock Fracture Data for Computer Analysis of Slope Stability, Transportation Research Record 873, by Transportation Research Board, Washington, D.C., pp. 50-56.

C.H. Baker and T.R. West, 1981, "Sliding Resistance of Rock Fractures in Shale Relative to Slope Stability for a Power Plant Project, Hudson Valley Region New York", Abstracts of Programs Annual Meeting, Geological Society of America, Cincinnati, Ohio.

W.S. Roberts, C.W. Lovell and T.R. West, 1978, "Predicting Feasibility of Cold Weather Earthwork, Amer. Soc. of Civil Engineers, Specialty Conference on Cold Regions, Anchorage, Alaska, May, 1978.

T.R. West, 1977, "Subsurface Investigation for- and Damage Problems Associated with- Sewer Line Construction in a Shallow-Bedrock, Urbanized Area, Abstracts of Program for Annual Meeting of the Association of Engineering Geologists, Seattle, WA.

G.T. Richardson and T.R. West, 1977, "Post-Glacial Deltas in the Region of the Great Bend of the Wabash River", Proceedings, the Indiana Academy of Science for 1976, vol. 86, pp. 317-325.

Environmental Geology and Land Use Planning

G. Crosby and T.R. West, 1982, "Engineering and Environmental Geology of Hancock County, Indiana", Proceedings, Indiana Academy of Science for 1981, Vol. 91.

S.E. Hasan and T.R. West, 1978, Development of an Environmental Geology Base for Land-use Planning, Bulletin, Assoc. of Engineering Geologists, vol. XIX, no. 2, pp. 117-132.

S.E. Hasan and T.R. West, 1978, "Environmental Geology Data Base in Land-use Planning", Proceedings II International Congress of Engineering Geology, Sept. 4-8, 1978, Madrid, Spain, vol. I, pp. 209-218.

E.E. Otto and T.R. West, 1978, "Application of Geology to Land-use Planning Clinton County, Indiana", Proceedings, Indiana Academy of Science for 1977, vol. 87, pp. 299-310.

E.E. Otto and T.R. West, 1977, "Extending Agricultural soils Map Data for Land-use Planning and Special Construction Applications, an Example: Clinton County, Indiana", Abstracts of Program for Northcentral Section Meeting, Geol. Society of America, Carbondale, IL.

J.M. Wilkerson and T.R. West, 1975, "Applications of Geology in Developing a Master Plan in Boone County, Indiana", Proceedings, Indiana Academy of Science for 1974, vol. 84, pp. 336-342.

Reclamation, Mining Aspects

T.R. West and I.O. Okonkwo, 1984, "Site Investigation of a Leaking Dam Constructed from Cast Over Strip Mine Spoil, Greene-Sullivan State Forest, Indiana", Proceedings of National Symposium on Reclamation of Abandoned Mine Lands, May 1984, Bismark, North Dakota, L. Schloesser et al. Editors, pp. 215-248, Science Reviews Ltd., England.

K. Kuo and T.R. West, 1984, Compressive Strength of Springfield Coal, Coal 5, Pike County, Indiana, Vol. 93, Indiana Academy of Science, abstract only.

G.E. Greengold and T.R. West, 1981, "Engineering Geology of an Operating Coal Mine, Southwestern Indiana", Proceedings, Indiana Academy of Science for 1980, vol. 90.

T.R. West, Jan. 1980, "Engineering Geology Regarding the Use of Dredged Materials for Surface-Mined Reclamation Along the Illinois River Waterway", Invited Lecturer, Texas A&M University.

T.R. West, Nov. 1979, "Use of Dredged Material for Reclamation of Surface Mined Land: Upper Illinois Basin", Report to Argonne Laboratory, Dept. of Energy, Contract No. 31-109-38-3998, 40 pages.